

FIG.1 DESIGNING OF OVERLAPPING OLIGOS FOR SYNTHESIS OF  
ARTIFICIAL PROMOTER

1 GTCGACCATCATTTTGAAAGGGCCTCGGTAATACCATTGTGGAAAAAGTTG  
CAGCTGGTAGTAACTTTCCCGGAGCCATTATGGTAACACCTTTTCAAC

51 GTAATACGGAAAAAGAAGATTTCATCATCCAGAAAAGGTGTGGAAAAAGTTG  
CATTATGCCTTTTCTTCTAAGTAGTAGGTCTTTTCCACACCTTTTCAAC

101 TGGATTGCGTGGAAAAAGTTTCGATCTGACCATCTCTAGATCGTGGAAAAA  
ACCTAACGCACCTTTTTCAGCTAGACTGGTAGAGATCTAGCACCTTTT

151 GTTCACGTAAGCGCTTACGTACATATGTGGATTGTGGAAAAAGAAGACGG  
CAAGTGCATTGCGCAATGCATGTATACACCTAACACCTTTTCTTCTGCC

201 ACGCATCGGTGGAAAAAGAAGCTTGTACGCTGTACGCTGACGATAGATAG  
TCCGTAGCCCTCTTTTCTTTCGAACATGCGACATGCGACTGCTATCTATC

251 ATACACGTGCACGCGTCCACTTGACGCACAATTGACGCACAATGACGCCA  
TATGTGCACGTGCGCAGGTGAACTGCGTGTTAACTGCGTGTTACTGCGGT

301 CTTGACGCTACTTCACTATATATAGGAAGTTCATTTCAATTTGGATTGGAC  
GAACTGCGATGAAGTGATATATATCCTTCAAGTAAAGTAAACCTAACCTG

351 ACGTGTTGTCATTTCTCAACAATTACCAACAACAACAACAACAACAAC  
TGCACAACAGTAAAGAGTTGTTAATGGTTGTTGTTGTTGTTGTTGTTGTTG

401 ATTATACAATTACTATTTACAATTACATCTAGAT  
TAATATGTTAATGATAAATGTTAATGTAGATCTA

FIG.2 RESTRICTION ENZYME SITES IN ARTIFICIAL SYNTHETIC PROMOTER

SA T  
ac f  
lc i  
II I  
GTCGACCATCATTTGAAAGGGCCTCGGTAATACCATTGTGGAAAAAGTTGGTAATACGGAAAAAGAAGAT  
25 50  
X X  
m b  
n a  
I I  
TCATCATCCAGAAAAGGTGTGGAAAAGTTGTGGATTGCGTGGAAAAAGTTGATCTGACCATCTCTAGAT  
75 100 125  
X S N  
m n d  
n a e  
I B I  
| I |  
CGTGGAAAAAGTTTCACGTAAGCGCTTACGTACATATGTGGATTGTGGAAAAAGAAGACGGAGGCATCGGT  
150 175 200  
H M M  
i l f  
n u e  
d I I  
3 | |  
GGAAAAAGAAGCTTGTACGCTGTACGCTGACGATAGATAGATACACGTGCACGCGTCCACTTGACGCACA  
225 250 275  
ATTGACGCACAATGACGCCACTTGACGCTACTTCACTATATATAGGAAGTTCATTTTGGATTGGAC  
300 325 350  
ACGTGTTGTCATTTCTCAACAATTACCAACAACAACAACAACAACAACATTATACAATTACTATTTAC  
375 400  
X  
b  
a  
I  
AATACATCTAGAT  
425

FIG: 3 PRIMER FOR INTRODUCTION OF ATG  
CONTEXT IN ARTIFICIAL SYNTHETIC PROMOTER

SEQ ID NO.17

5'AATTACATCTAGATAAACAATGGCTTCCTCCGTAGAAA  
CCCCAACCCGTGAAATCAAA 3'